

Appendix V-1

Problem Spot Mapping

Winter Storm

Amherst County
Table
Map

Bedford City
Table
Map

Lynchburg City
Table
Map

Flooding

Amherst County
Table
Map

Bedford County
Table
Map

Campbell County
Table
Map

Lynchburg City
Table
Map

Wind

Bedford County
Table
Map

Lynchburg City
Table
Map

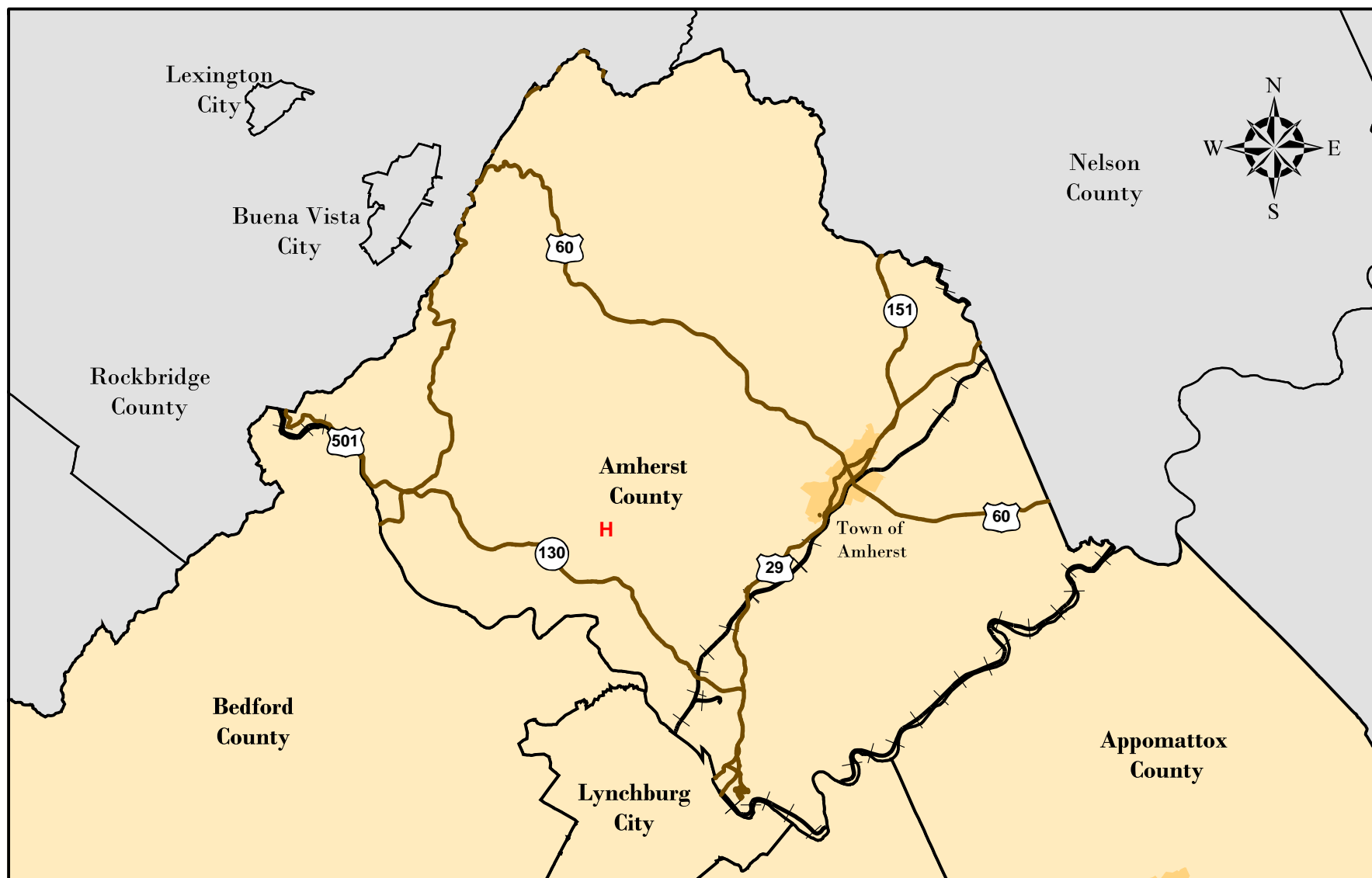
Landslide

Amherst County
Table
Map

Bedford County
Table
Map

Amherst County Winter Storm Problem Spots	
Map Letter	Description
H	Morris Orchards reported frost damage to peach trees.

Amherst County - Winter Storm Problem Spots



Primary Roads

Railroads

0 2 4 8 Miles



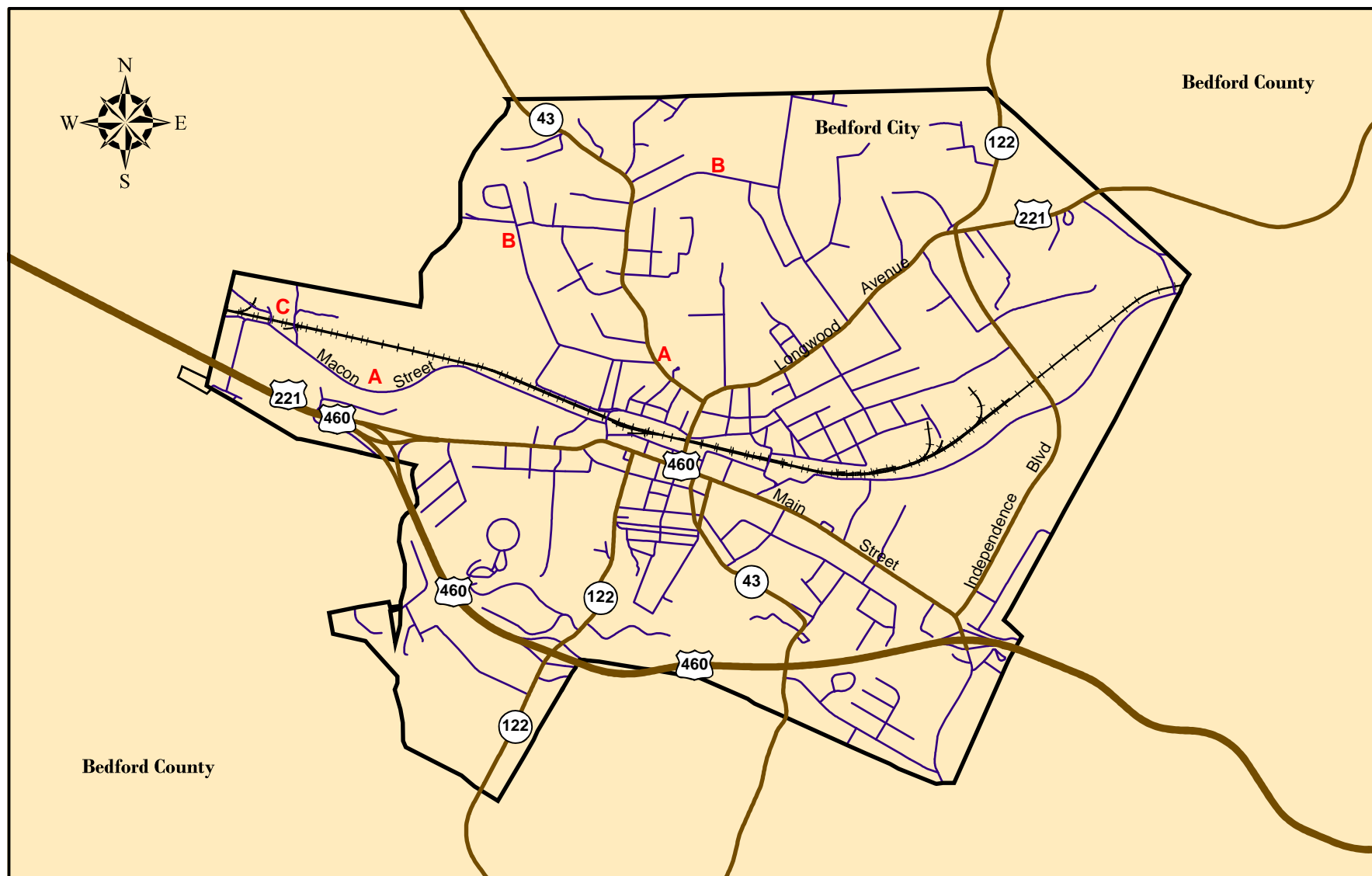
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT, Region 2000 RC, ESRI,
VDOT

City of Bedford Winter Storm Problem Spots	
Map Letter	Description
A	Damage reported in the vicinity of Macon and Peaks Streets
B	Damage reported Lake and Whitfield Drives
C	House damaged on Rough Drive.

City of Bedford - Winter Storm Problem Spots



- Roads
- Major Highways
- +++++ Railroads

0 0.25 0.5 1 Miles



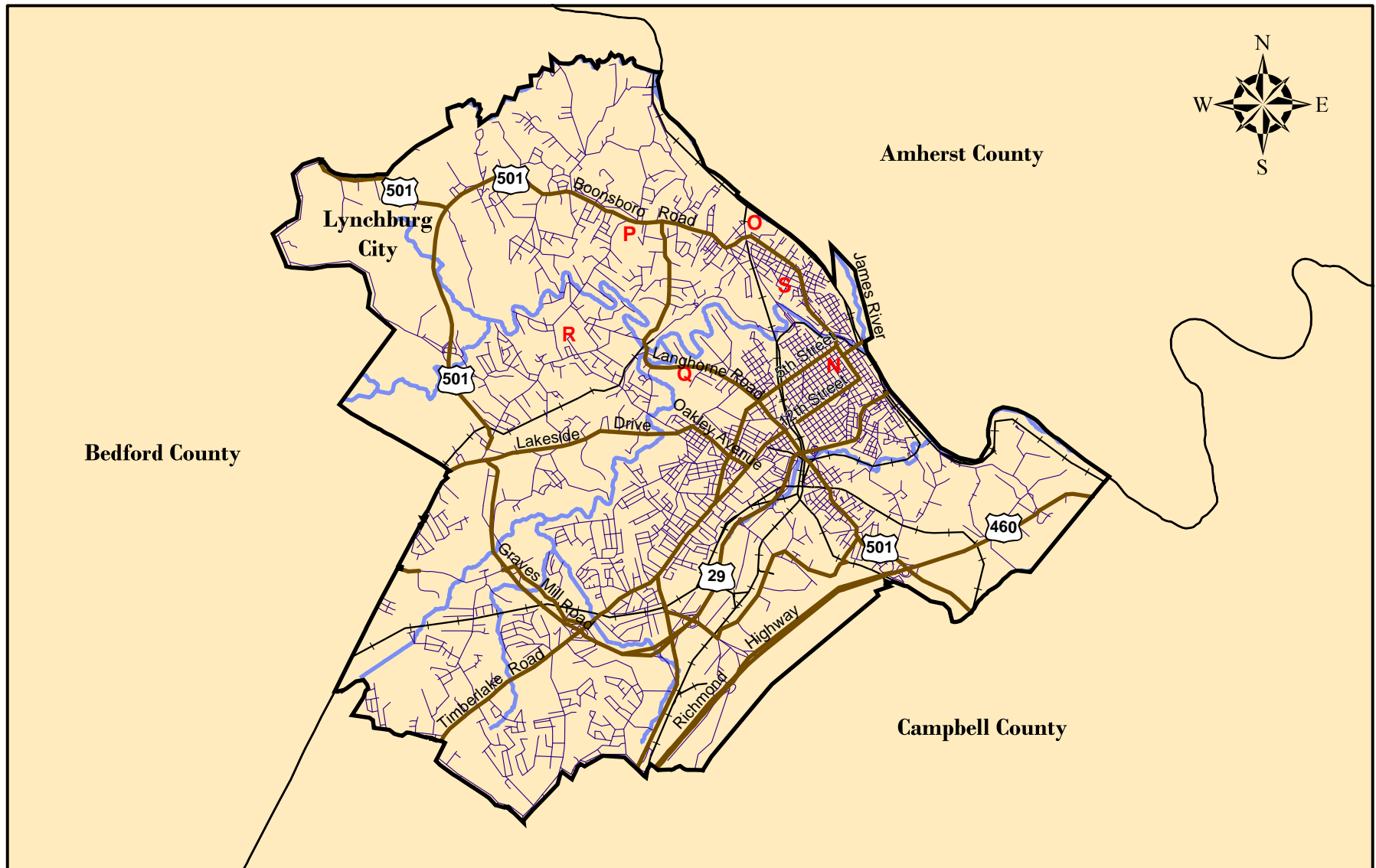
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT

City of Lynchburg Winter Storm Problem Spots	
Map Letter	Description
M	A large tree fell onto and crushed a car at Lynchburg College
N	6th Street at Church Street closed; 7th Street at Church Street closed; 7th Street at Polk Street closed; 11th Street at Church Street closed; 11th Street at Madison Street closed; 11th Street at Harrison Street closed; 14th Street at Taylor Street closed
O	Rivermont Ave blocked by downed trees
P	Boonsboro Rd blocked by downed trees
Q	Langhorne Rd blocked by downed trees
R	Old Forest Rd blocked by downed trees
S	Hollins Mill Rd blocked by downed trees

City of Lynchburg - Winter Storm Problem Spots



- Major Highways
- Roads
- Railroads
- Streams & Rivers

0 1 2 4 Miles



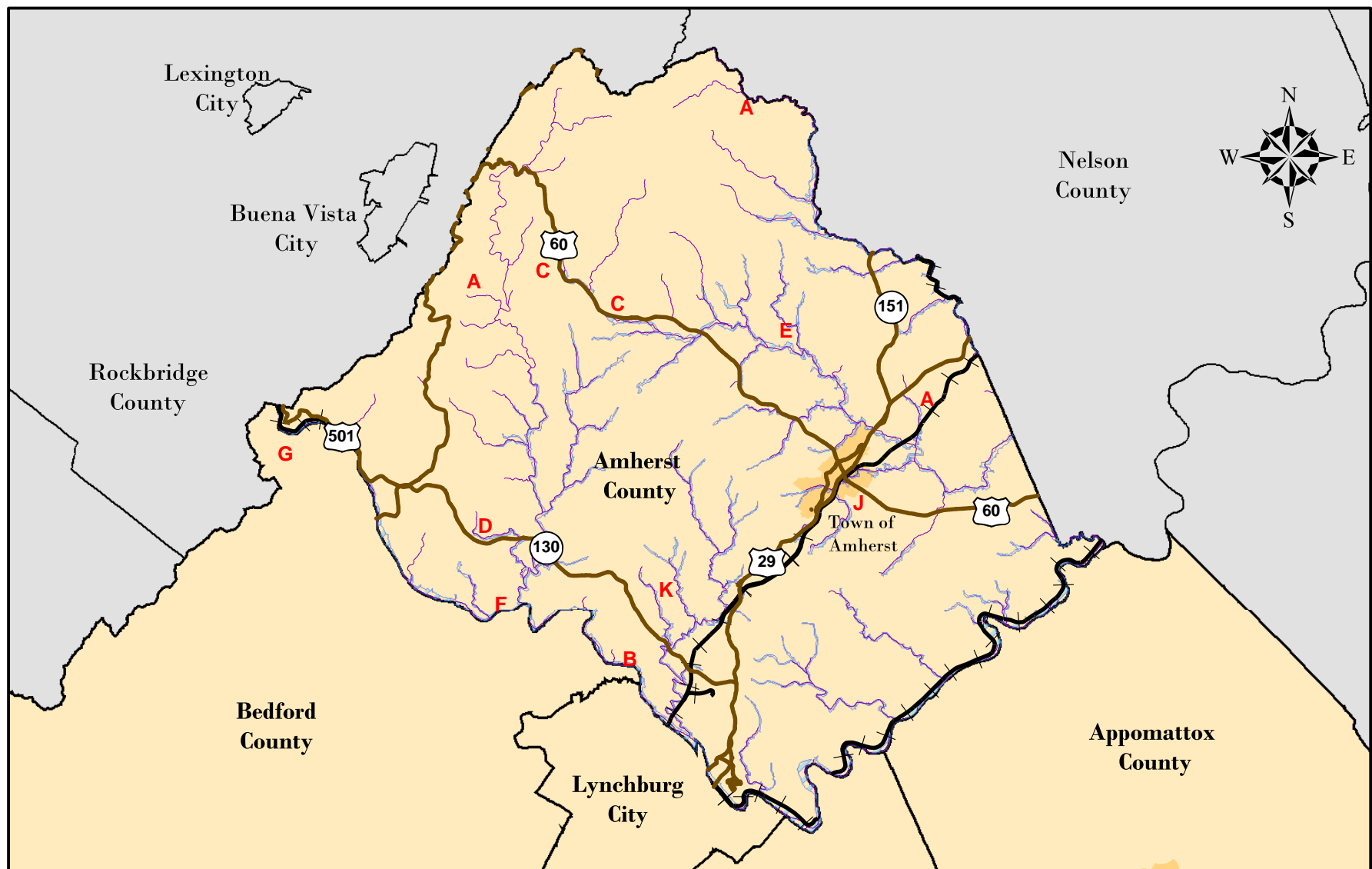
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT

Amherst County Flooding Problem Spots	
Map Letter	Description
A	Hurricane Camille caused severe flooding on the Piney, Pedlar and Buffalo Rivers
B	Severe flooding damage (\$5.7 million) to homes along River Road
C	Parts of U.S. 60 closed
D	Parts of Virginia 130 closed
E	Parts of Virginia 778 closed
F	Parts of Virginia 685 closed
G	Heavy rains released a torrent of mud and water down mountainsides and onto U.S. 501
J	Commercial flooding from Rutledge Creek and Higginbotham Creek.
K	Residential flooding near Route 652 from Muddy Creek

Amherst County - Flooding Problem Spots



Primary Roads
Railroads
FEMA Flood Zones
Streams & Rivers

0 2 4 8 Miles



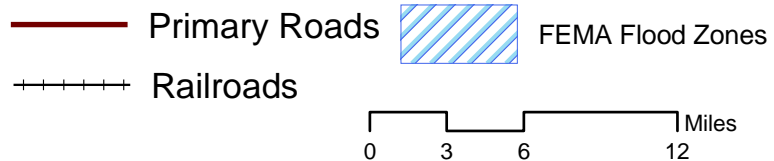
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT, Region 2000 RC, ESRI,
FEMA FIRMS

Bedford County Flooding Problem Spots	
Map Letter	Description
A	One lane of U.S. 460 closed briefly near Virginia 313 due to high water
B	U.S. 221 washed out in several places
C	U.S. 221 underwater near Aylor's Store
D	Virginia 811 closed due to flooding
E	Virginia 660 closed due to flooding
F	Virginia 621 closed due to flooding
G	Parts of Virginia 24 closed
H	Parts of Virginia 122 closed
I	Portions of US 460 near Montvale were closed from flooding
J	One woman killed as her car was swept away by over eight feet of water on Turkey Foot Rd

Bedford County - Flooding Problem Spots



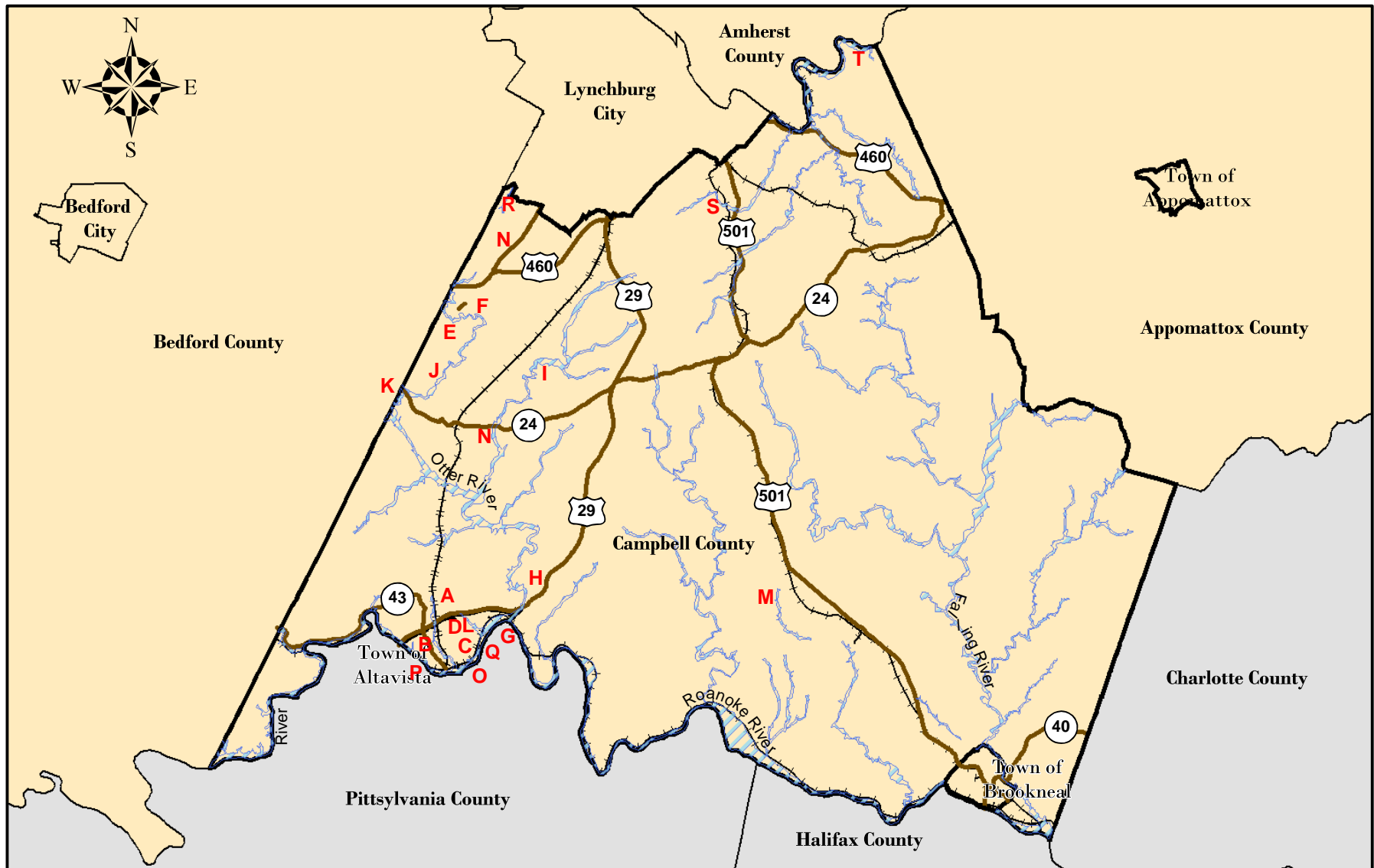
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT

Campbell County Flooding Problem Spots	
Map Letter	Description
A	Severe flooding of Lynch Creek caused damage at the Lane Col
B	Severe flooding of Lynch Creek caused damage at Shreve Park
C	Severe flooding of Lynch Creek caused damage at the YMCA
D	Severe flooding of Lynch Creek deposited one to two feet of mud on town streets
E	Timber Lake Dam failed, causing catastrophic flooding of Buffalo Creek
F	On U.S. 460, a rescue worker was killed as he attempted to rescue people in stranded cars on the Buffalo Creek bridge, where the water reached five feet over the road surface
G	Staunton River north of Altavista crested at nine feet above flood stage
H	U.S. 29 bridge over Otter River closed due to floating debris
I	Virginia 683 closed for three days
J	Three homes severely damaged along Buffalo Creek below Timber Lake Dam
K	Buffalo Creek Nature Area closed
L	BGF Industries in Altavista damaged by floodwaters
M	The historic Marysville Covered Bridge was destroyed.
N	40 roads, including US 460 near Bedford County line and VA 24 west of US 29 were closed because of excess water.
O	Altavista: Staunton River reached a crest of about 18 feet.
P	Altavista:Lynch Creek flooded portions of Pittsylvania Avenue, Main Street, and 7 th Street.
Q	The Altavista Life Saving building as well as Shreve Park and War Memorial Park suffered water damage.
R	Approximately 15 structures are in the mapped FEMA Floodplain
S	Approximately 5 structures are in the mapped FEMA Floodplain, and an additional 5 structures are in close proximity to the Floodplain boundaries
T	9 properties along the James River are in th mapped FEMA Floodplain
U	Commercial flooding from Smith Mountain Lake near Route 122.

Campbell County - Flooding Problem Spots



++++ Railroads
 — Major Roads



FEMA Flood Zones

0 2 4 8 Miles



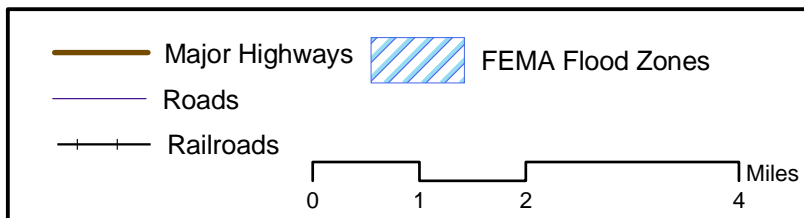
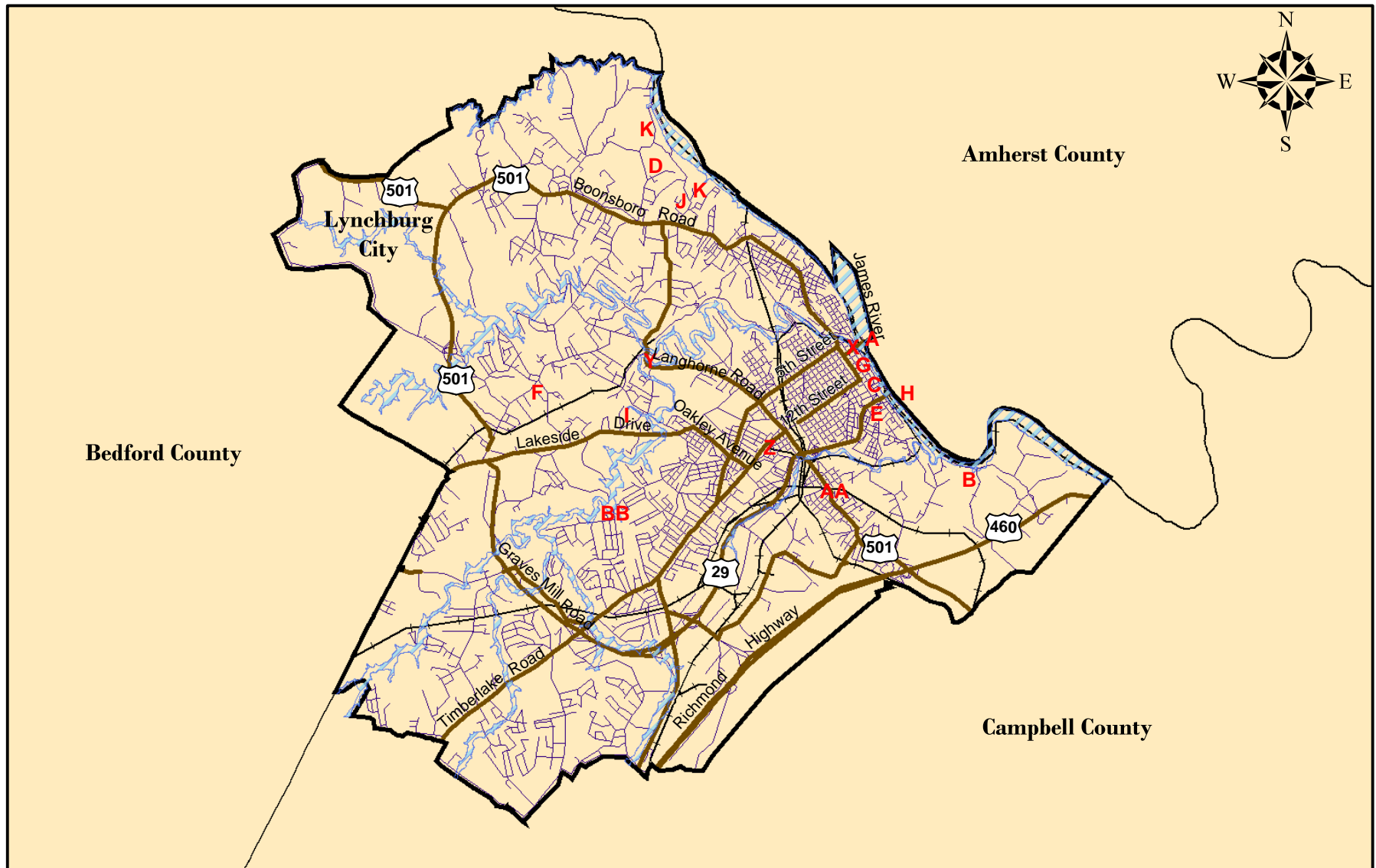
Map prepared by Virginia Tech
 Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT;
 FEMA FIRMS

City of Lynchburg Flooding Problem Spots	
Map Letter	Description
A	James River crested at 35 feet, causing almost \$40 million in damage to downtown homes and businesses.
B	Concord Turnpike closed for road work and debris removal
C	Jefferson St. closed for road work and debris removal
D	Hydro St. closed for road work and debris removal
E	Lynchburg Foundry buried under 24 inches of mud
F	Forest Brook Road was closed for several hours near the Cavalier Steel Plant due to a flooded bridge
G	Flooding on the James River caused \$2 million in damages to downtown Lynchburg
H	Greenwood Dr and Garnet St occasionally blocked due to a discharge pipe backing up when the James River is high
I	Old Forest Road near Lynchburg College was closed to flooding
J	Greenwood and Sandusky apartments closed near the intersection of Greenwood and Oakdale Drives.
K	Residents on Hydro Street and Ruesens Road were evacuated.
L	Houses along Timberlake Drive suffered minor flood damages.
X	Commercial flooding on Adams Street from the James River.
Y	Commercial flooding on Langhorne Rd from Blackwater Creek.
Z	Residential flooding from the James River.
AA	Commercial flooding from the James River.
BB	Greenwood Apartment Complex flooding from Blackwater Creek.

City of Lynchburg - Flooding Problem Spots



Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT;
FEMA FIRMS

Bedford County Severe Thunderstorm Problem Spots	
Map Letter	Description
K	175 residents evacuated at Elks National Home evacuated when a fallen tree ruptured a propane tank
L	Severe structural damage at Poplar Forest

Bedford County - Thunderstorm Problem Spots



— Primary Roads

++++ Railroads

0 3 6 12 Miles



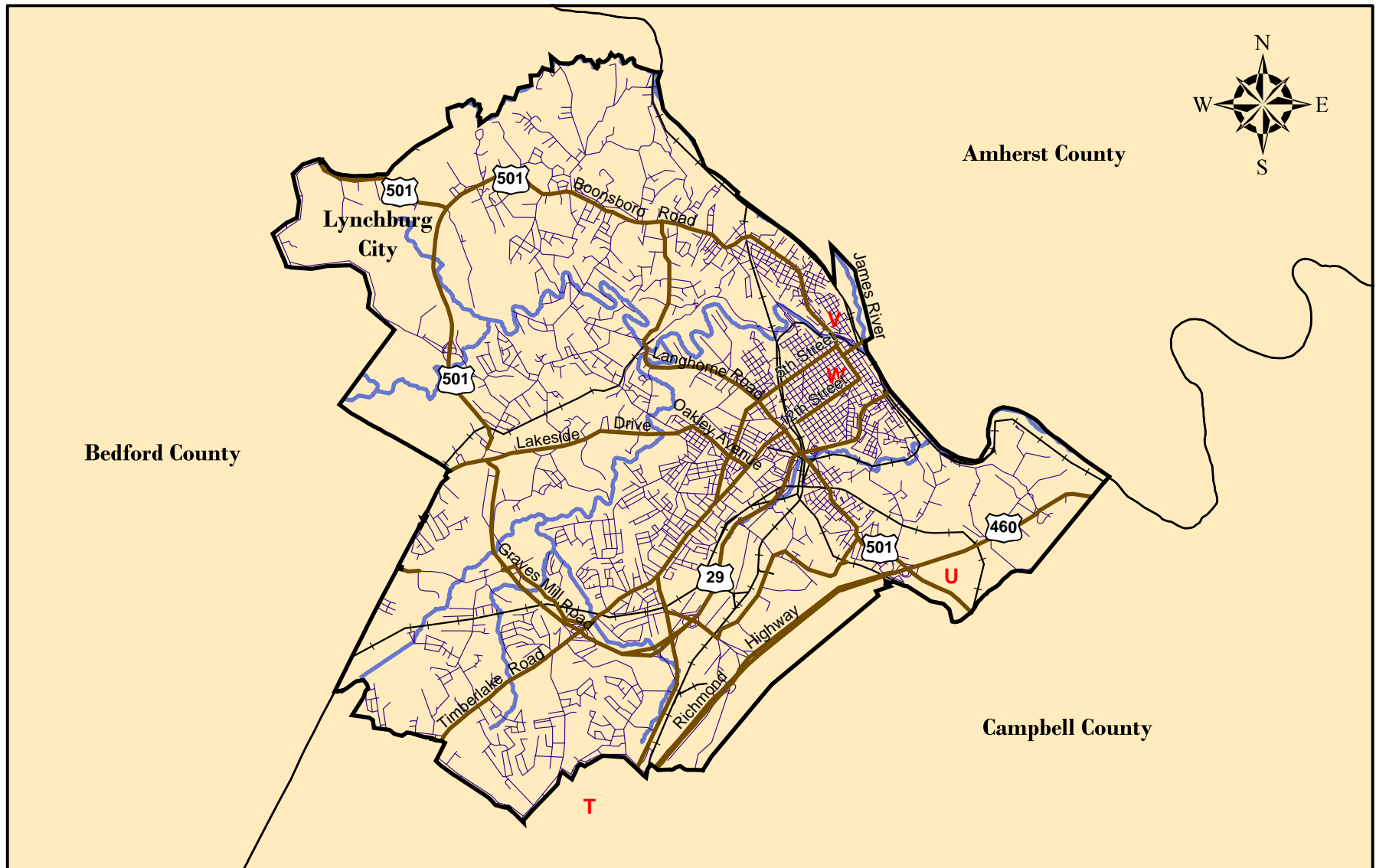
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT

City of Lynchburg Wind Damage	
Map Letter	Description
T	Wind gusts of over 70 m.p.h. closed the Lynchburg Municipal Airport for 10 hours.
U	Two hangers severely damaged at Falwell Airport
V	Back wall of the Old Academy of Music Theater ripped off
W	Steeple of First Baptist Church was blown onto and through the church's roof

City of Lynchburg - Wind Damage Problem Spots



- Major Highways
- Roads
- Railroads
- Streams & Rivers

0 1 2 4 Miles



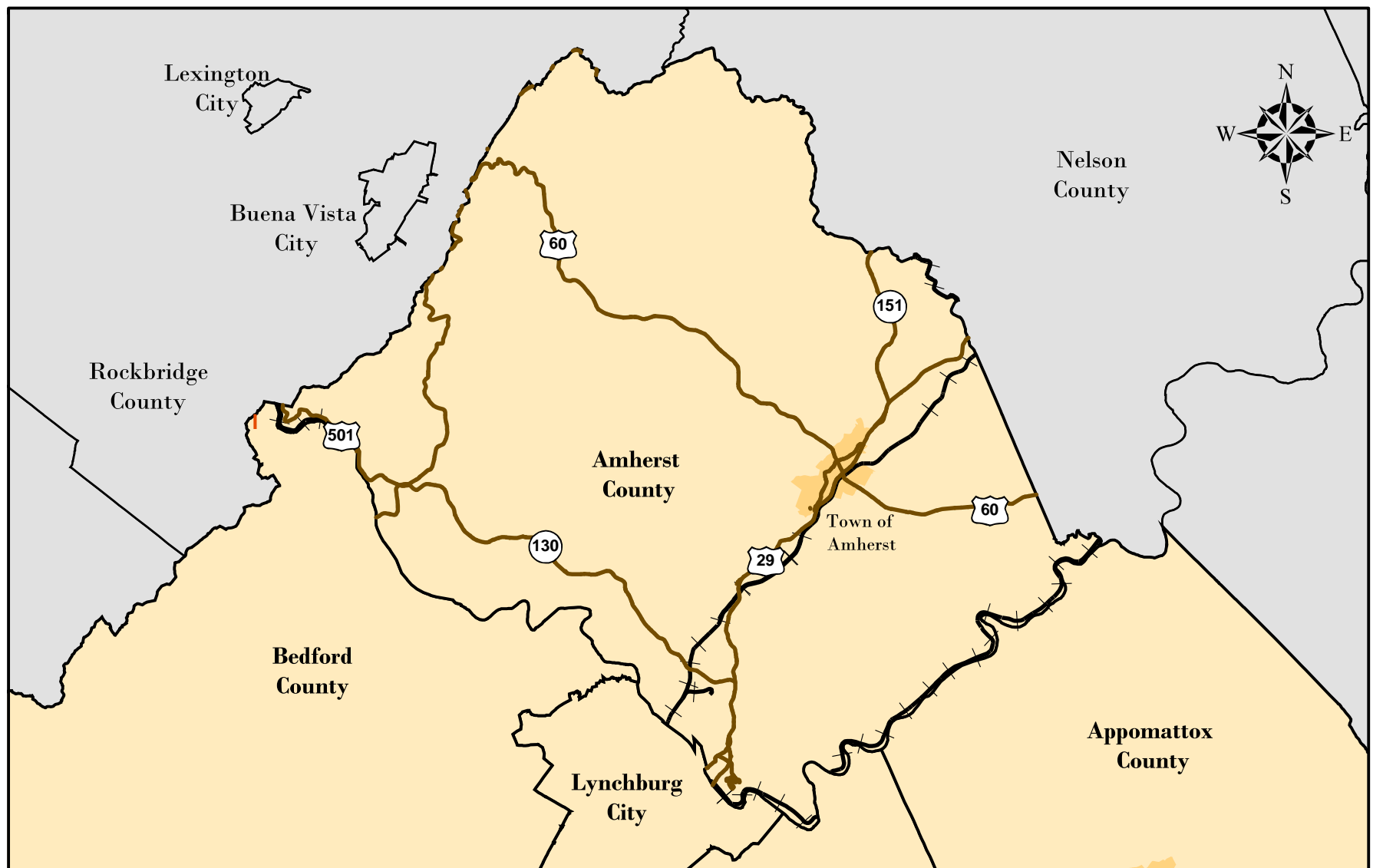
Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT

Amherst County Landslide Problem Spots	
Map Letter	Description
I	Three truck drivers were stranded by a mudslide on U.S. 501 for an entire day

Amherst County - Landslide Problem Spots



— Primary Roads

— Railroads

0 2 4 8 Miles



Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT, Region 2000 RC, ESRI,
VDOT

Bedford County Landslide Problem Spots	
Map Letter	Description
M	U.S. 221 was blocked near Little Otter Bridge

Bedford County - Landslide Problem Spots



— Primary Roads

+++++ Railroads

0 3 6 12 Miles



Map prepared by Virginia Tech
Center for Geospatial Information Technology

Date: September 2005

Data Sources: VT CGIT; ESRI; Region 2000 RC; VDOT